Crane - Pedestal

Mandatory Editable **Automated** Cells (locked)

Maintenance Plant * final test **Location** * TIONG A (WEST) **Functional Location**	**Crane Model No** * 7.5/10 K **Crane Serial No** * N/A **Date Manufacturer/Refurbish (dd/mm/yyyy)** 27/01/2025	**Boom Length (m)** * 123.00 m **Max Radius (m)** * 32.00 **Min Radius (m)** * 12.00 **Main S.W.L** * 12.00 ton
AUX S.W.L 12.00 ton	**Date Inspection (dd/mm/yyyy)** * 10/06/2025 **Time In (hh:mm)** * 12:10 **Time Out (hh:mm)** * 13:10	**Site Rep/Technician** * ahmad **Attended By (1)** N/A **Attended By (2)** N/A

3-6 MONTHLY

1.1 A-Frame

No	Description	Pre Condition*	Post Condition*	Priority*	Remarks
1.1	Visually inspect the A frame for signs of paint cracking around welds and sign on corrosion	Good	Bad	P1	—
1.2	*Spot corrosion must be followed up with surface brushing and touch up painting	Bad	Bad	P3	—
1.3	Check security of A frame bolts	Good	Good	P1	—
1.4	Check maintenance runaway beam for defects. Check bolt tightness	N/A	N/A	N/A	test

<<< Click here to key in A-Frame

1.2 Air System

No	Description	Pre Condition*	Post Condition*	Priority*	Remarks
2.1	Check operation of safe load indicator using known load weight and measured	Bad	Bad	P1	test spati
2.2	Check operating of visual and audible alarms	Good	Bad	P2	—
2.3	Check boom angle/radius indicators over full range of accuracy	Good	Good	P1	—

Air System

Description	Pre Condition*	Post Condition*	Priority*	Remarks
Inspect engine air starter motor mounting and piping	Bad	Bad	P3	—
Check lubricator fluid level	Good	Good	P1	—
Ensure starting air dryness-drain separator and receiver as necessary	Bad	Good	P2	test

Air Start

Description	Pre Condition*	Post Condition*	Priority*	Remarks
Check/reset pressure regulator if necesarry	Bad	Bad	P3	hai

Hydraulic Start

Description	Pre Condition*	Post Condition*	Priority*	Remarks
Check level of hydraulic oil, hydraulic backup tank	Good	Good	P1	—
Ensure there are no leaks on any of the connection or lines on the hydraulic system	Good	Bad	P3	—
Test hydraulic oil pump to ensure the correct starting pressure can be obtained	Good	Bad	P1	—
Function test hydraulic start system	Bad	N/A	N/A	—
Check all accumulator nitrogen charge	Good	Good	P1	—

Martin Decker Load Cell Gap	
Value	123.00
Air System	
Value	2,121.00

<<< Click here to key in Air System

1.3 Engine Running

No	Description	Pre Condition*	Post Condition*	Priority*	Remarks
3.1	Check that all mounting bolts are tight	Bad	Good	P1	test
3.2	Check gearbox oil level. Top up as required./6M	Good	Bad	N/A	—

<<< Click here to key in Engine Running

1.4 Safe Load Indicator

No	Description	Pre Condition*	Post Condition*	Priority*	Remarks
4.1	Check operation of safe load indicator using known load weight and measured	Good	Good	P1	—

No	Description	Pre Condition*	Post Condition*	Priority*	Remarks
4.2	Check operating of visual and audible alarms	Good	Bad	P2	—
4.3	Check boom angle/radius indicators over full range of accuracy	Bad	Bad	P3	test

Martin Decker Load Cell Gap	
Value	652.00

<<< Click here to key in Safe Load Indicator

1.5 Hydraulic System

No	Description	Pre Condition*	Post Condition*	Priority*	Remarks
5.1	Check that standby emergency brake release equipment is in good order	Bad	Bad	P3	—
5.2	Visually inspect hydraullic filter condition	Good	Good	P1	—
5.3	Check all hydraullic filter condition	Good	Bad	P3	—
5.4	Check anti cavitation switch and operation	Good	Bad	P1	—

Hydraulic System	
Value	1,232.00
Value	good
Value	212.00

<<< Click here to key in Hydraulic System

1.6 A-Frame

No	Description	Pre Condition*	Post Condition*	Priority*	Remarks
6.1	Visually inspect the A frame for signs of paint cracking around welds and sign on corrosion	Bad	Good	P1	hi test

<<< Click here to key in A-Frame

1.7 A-Frame

No	Description	Pre Condition*	Post Condition*	Priority*	Remarks
7.1	Visually inspect the A frame for signs of paint cracking around welds and sign on corrosion	Good	Bad	P1	—
7.2	*Spot corrosion must be followed up with surface brushing and touch up painting	N/A	Bad	P3	—

No	Description	Pre Condition*	Post Condition*	Priority*	Remarks
7.3	Check security of A frame bolts	Good	Good	N/A	—
7.4	Check maintenance runaway beam for defects. Check bolt tightness	Good	Good	P3	test

<<< Click here to key in A-Frame

1.8 Engine Running

No	Description	Pre Condition*	Post Condition*	Priority*	Remarks
8.1	Check that all mounting bolts are tight	Good	Bad	P3	test spati
8.2	Check gearbox oil level. Top up as required./6M	Bad	Good	P2	—

<<< Click here to key in Engine Running

1.9 Engine Running

No	Description	Pre Condition*	Post Condition*	Priority*	Remarks
9.1	Check that all mounting bolts are tight	Good	Bad	P1	test
9.2	Check gearbox oil level. Top up as required./6M	Bad	Bad	P3	—

<<< Click here to key in Engine Running

1.10 Crane Cabin

No	Description	Pre Condition*	Post Condition*	Priority*	Remarks
10.1	Check the cabin and the machinery house is tidy with no loose material	N/A	Bad	P2	test spati
10.2	Check fire extinguishers are present	Bad	Bad	P3	—
10.3	Check annunciator and dashboard panel, gauges and switches for any defect	Good	N/A	N/A	—
10.4	Check that control levers returns to neutral unaided	Good	Bad	P3	—
10.5	Visually inspect cabin support structure for any defects	N/A	Good	P2	—
10.6	Lubricate door runner, hinges, locks as necessary	Good	Bad	P3	—
10.7	Check window wiper operation	Bad	Bad	P1	—
10.8	Check operation and condition of Air Conditioner	Good	Good	P2	—

<<< Click here to key in Crane Cabin

1.11 Safe Load Indicator

No	Description	Pre Condition*	Post Condition*	Priority*	Remarks
11.1	Check operation of safe load indicator using known load weight and measured	Good	Bad	P2	—
11.2	Check operating of visual and audible alarms	Good	Good	P1	—
11.3	Check boom angle/radius indicators over full range of accuracy	Bad	Bad	P3	test

Martin Decker Load Cell Gap	
Value	652.00

<<< Click here to key in Safe Load Indicator

1.12 Safe Load Indicator

No	Description	Pre Condition*	Post Condition*	Priority*	Remarks
12.1	Check operation of safe load indicator using known load weight and measured	N/A	Good	P1	—
12.2	Check operating of visual and audible alarms	Good	Good	P2	—
12.3	Check boom angle/radius indicators over full range of accuracy	Bad	Bad	P3	—

Martin Decker Load Cell Gap	
Value	123.00

<<< Click here to key in Safe Load Indicator

Information Data

a	**Engine RPM At Idle**	Data *	Remarks *
b	**Engine RPM At High Revs**		
c	**Engine Oil Pressure At Idle RPM**		
d	**Engine Oil Pressure At High RPM**		
e	**Engine Water Temperature After 1 Hours Operation**		
f	**Control Pressure**		
g	**Air System Pressure (Psi)**		
h	**Hydraulic Start Pressure (Psi)**		
i	**Hydraulic Tank Temperature (?C)**		

<<< Click here to key in Information Data

Parts Change Out And Repair

No	Parts	Parts Number/Detail/Specification	Remarks
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

<<< Click here to key in Parts Change Out And Repair

Parts Recommended To Be Change Out

No	Parts	Parts Number/Detail/Specification	Remarks
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

No	Parts	Parts Number/Detail/Specification	Remarks
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

<<< Click here to key in Parts Recommended To Be Change Out

Additional Information

<<< Click here to key in Additional Information

Findings/Suggestions: